(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau





(43) International Publication Date 25 September 2003 (25.09.2003)

PCT

(10) International Publication Number WO 03/077841 A2

(51) International Patent Classification7:

A61K

(21) International Application Number: PCT/US03/06796

(22) International Filing Date: 5 March 2003 (05.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/363,760 12 March 2002 (12.03.2002) US 60/366,017 20 March 2002 (20.03.2002) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications:

US 60/363,760 (CIP)
Filed on 12 March 2002 (12.03.2002)
US 60/366,017 (CIP)
Filed on 20 March 2002 (20.03.2002)

(71) Applicant (for all designated States except US): THE GENERAL HOSPITAL CORPORATION [US/US]; 55 Fruit Street, Boston, MA 02114 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): JAIN, Rakesh, K. [US/US]; 65 East India Row, Unit 14-B, Boston, MA 02110 (US). IZUMI, Yotaro [JP/JP]; 4-18-20-1005, Mita, Minato-ku, Tokyo 108-0073 (US). XU, Lei [—/US]; 1395

Quincy Shore Drive, Quincy, MA 02169 (US). FUKU-MURA, Dai [JP/US]; 197 Wiswall Road, Newton, MA 02459 (US).

- (74) Agent: ELBING, Karen, L.; Clark & Elbing LLP, 101 Federal Street, Boston, MA 02110 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: USE OF SIGNAL TRANSDUCTION INHIBITORS AND COMBINATION THERAPIES FOR THE PREVENTION OR TREATMENT OF CANCER AND ANGIOGENESIS RELATED DISEASES

(57) Abstract: The invention provides improved compositions (e.g., combinations of signal transduction inhibitors) and methods for the prevention, stabilization, or treatment of cancer or other angiogenesis related diseases. In particular, the present methods use combination therapies to modulate the expression or activity of multiple mRNA molecules or proteins associated with angiogenesis or cancer in a mammal (e.g., a human)